

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
A - - - - -		Equipment/facilities at/near site
AA- - - - -		. Refinery facility/area
AAA - - - - -		. . Stills
AAAA- - - - -		. . . Externally fired stills
AAAB- - - - -		. . . Internally fired stills
AAAC- - - - -		. . . Stills 1 through 4
AAAD- - - - -		. . . Stills 5 through 8
AAAE- - - - -		. . . Stills 9 through 12
AAAF- - - - -		. . . Stills 13 through 16
AAAG- - - - -		. . . Still 17
AAAH- - - - -		. . Bottoms of stills
AAB - - - - -	-AGB-	. . Refinery pipe system
AABA- - - - -	-AGBA-	. . . Input/storage pipe system for refinery
AABB- - - - -	-AGBB-	. . . Cooling water/condenser water system
AABBA - - - - -	-AGBBA-	. . . Condensers/coils in cooling water system
AABBB - - - - -	-AGBBB, BEAC	. . . Cooling/condenser water
AABC- - - - -	-AGBC-	. . . Output pipe system for refinery to retort/byproduct/storage areas
AABD- - - - -	-AFAC, AGBD	. . . Wastewater pipe system from refinery area to settling basin
AABE- - - - -	-AGBE-	. . Trench system for piping within the refinery area
AAC - - - - -		. Collection pans
AAD - - - - -		. Pitch bays
AADA- - - - -		. . Concrete flexicore supporting pitch bays
AAE - - - - -	-DCDFA-	. . Cooling water pond/lagoon alongside refinery
AAF - - - - -	-AHAB-	. . Refinery storage tanks
AAFA- - - - -	-AHABA-	. . . Below ground refinery storage tanks
AAFB- - - - -	-AHABB-	. . . Above ground refinery storage tanks
AAG - - - - -		. Tar cistern
AAGA- - - - -		. . Unloading shed next to tar cistern
AAH - - - - -		. Byproducts building
AB- - - - -		. Retort facility/area
ABA - - - - -		. . Retorts/retort catch basins/sumps

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Code at This Location	Codes at other Locations	TERMS
ABB - - - - -	- - - - -	. . Treating room inside retort facility
ABC - - - - -	- - - - -	. . Tank room/pump room inside retort facility
ABD - - - - -	- - - - -	. . Dock area near retort
ABE - - - - -	- - - - -	. . Adzing/boring mill
ABF - - - - -	-AHAC - - - - -	. . Retort storage tanks
ABFA- - - - -	-AHACA- - - - -	. . . Below ground retort storage tanks
ABFB- - - - -	-AHACB- - - - -	. . . Above ground retort storage tanks
ABG - - - - -	-AGC- - - - -	. . Retort pipe system
ABGA- - - - -	-AGCA - - - - -	. . . Input/storage pipe system for retort
ABGB- - - - -	-AFAD,AGCB- - - - -	. . . Wastewater pipe system from retort area to settling basin
ABGC- - - - -	-AGCC - - - - -	. . . Trench system for piping within retort area
AC- - - - -	- - - - -	. Boiler building/system
ACA - - - - -	-AGD- - - - -	. . Boiler water pipe system
AD- - - - -	- - - - -	. Office building
ADA - - - - -	- - - - -	. . Onsite laboratory
AE- - - - -	- - - - -	. Wheeler Bridge buildings
AF- - - - -	- - - - -	. Pollution control equipment/facilities
AFA - - - - -	- - - - -	. . Settling basin
AFAA- - - - -	-AFCA - - - - -	. . . Hay/straw filters at settling basin
AFAB- - - - -	- - - - -	. . . Baffle system at settling basin
AFAC- - - - -	-AABD,AGBD- - - - -	. . . Wastewater pipe system from refinery area to settling basin
AFAD- - - - -	-ABGB,AGCB- - - - -	. . . Wastewater pipe system from retort area to settling basin
AFAE- - - - -	-AFBB,AGFB- - - - -	. . . Drainage ditch/pipes from settling basin to Walker Street
AFB - - - - -	- - - - -	. . Pollution control equipment at/near Walker Street
AFBA- - - - -	-AFCB - - - - -	. . . Hay/straw filters alongside Walker Street
AFBB- - - - -	-AFAE,AGFB- - - - -	. . . Drainage ditch/pipes from settling basin to Walker Street
AFBC- - - - -	-AGFA - - - - -	. . . Drainage ditch alongside Walker Street
AFBD- - - - -	- - - - -	. . . Weir at Walker Street
AFC - - - - -	- - - - -	. . Hay/straw filters
AFCA- - - - -	-AFAA - - - - -	. . . Hay/straw filters at settling basin
AFCB- - - - -	-AFBA - - - - -	. . . Hay/straw filters alongside Walker Street
AFD - - - - -	- - - - -	. . Air scrubber

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
AFE - - -	-AHB- - - - -	. . Phenol extraction tank
AFF - - -	- - - - -	. . Pollution monitoring/testing equipment
AG- - -	- - - - -	. Piping/pipe trench system
AGA - - -	- - - - -	. . Length/diameter of pipes
AGB - - -	-AAB- - - - -	. . Refinery pipe system
AGBA- - -	-AABA - - - - -	. . Input/storage pipe system for refinery
AGBB- - -	-AABB - - - - -	. . Cooling water/condenser water system
AGBBA - - -	-AABBA- - - - -	. . . Condensers/coils in cooling water system
AGBBB - - -	-AABBB, BEAC - - - - -	. . . Cooling/condenser water
AGBC- - -	-AABC - - - - -	. . . Output pipe system for refinery to retort/byproduct/storage areas
AGBD- - -	-AABD, AFAC- - - - -	. . . Wastewater pipe system from refinery area to settling basin
AGBE- - -	-AABE - - - - -	. . . Trench system for piping within the refinery area
AGC - - -	-ABG- - - - -	. . Retort pipe system
AGCA- - -	-ABGA - - - - -	. . Input/storage pipe system for retort
AGCB- - -	-ABGB, AFAD- - - - -	. . . Wastewater pipe system from retort area to settling basin
AGCC- - -	-ABGC - - - - -	. . . Trench system for piping within retort area
AGD - - -	-ACA- - - - -	. . Boiler water pipe system
AGE - - -	- - - - -	. . Steam piping system
AGF - - -	- - - - -	. . Drainage tiles/pipes/ditches
AGFA- - -	-AFBC - - - - -	. . . Drainage ditch alongside Walker Street
AGFB- - -	-AFAE, AFBB- - - - -	. . . Drainage ditch/pipes from settling basin to Walker Street
AH- - -	- - - - -	. Tanks
AHA - - -	- - - - -	. . Storage tanks
AHAA- - -	- - - - -	. . . Capacity of storage tanks
AHAB- - -	-AAF- - - - -	. . . Refinery storage tanks
AHABA - - -	-AAFA - - - - -	. . . Below ground refinery storage tanks
AHABB - - -	-AAFB - - - - -	. . . Above ground refinery storage tanks
AHAC- - -	-ABF- - - - -	. . Retort storage tanks
AHACA - - -	-ABFA - - - - -	. . . Below ground retort storage tanks
AHACB - - -	-ABFB - - - - -	. . . Above ground retort storage tanks
AHB - - -	-AFE- - - - -	. . Phenol extraction tank

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<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
AJ-	- - - - -	. Wood storage area
AJA	- - - - -	. . Storage area for untreated wood
AJB	- - - - -	. . Storage area for treated wood
AK-	- - - - -	. Waste disposal/dump areas
AL-	- - - - -	. Residential areas
ALA	- - - - -	. . Oak Park Village
ALB	- - - - -	. . Rustic Oaks Condominiums

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
B - - - - -	- - - - -	Processing/operating activities on/off site
BA- - - - -	- - - - -	. Coal tar refining
BAA - - - - -	- - - - -	. . Descriptions of coal tar refining process
BB- - - - -	- - - - -	. Wood treatment
BBA - - - - -	- - - - -	. . Descriptions of wood treatment process
BBB - - - - -	- - - - -	. . Treatment of unseasoned wood
BC- - - - -	- - - - -	. Wood storage
BD- - - - -	- - - - -	. Company lab testing
BDA - - - - -	- - - - -	. . Onsite company lab testing
BDB - - - - -	-BPA- - - - -	. . Offsite company lab testing
BDC - - - - -	- - - - -	. . Raw materials testing at company laboratories
BDD - - - - -	- - - - -	. . Refinery products testing at company laboratories
BDE - - - - -	- - - - -	. . Byproducts testing at company laboratories
BDF - - - - -	- - - - -	. . Boiler water testing at company laboratories
BDG - - - - -	- - - - -	. . Wastes/wastewater/discharge water testing at company laboratories
BE- - - - -	- - - - -	. Disposal of wastes
BEA - - - - -	- - - - -	. . Wastewater discharge/disposal
BEAA- - - - -	- - - - -	. . . Boiler blowdown disposal
BEAB- - - - -	-KPJ- - - - -	. . . Wet cut
BEAC- - - - -	-AABBB,AGBBB-	. . . Cooling/condenser water
BEAD- - - - -	-DCEA - - - - -	. . . Surface runoff
BEB - - - - -	- - - - -	. . Landfilling/landspreading of wastes
BEBA- - - - -	- - - - -	. . . Onsite landfilling/landspreading of wastes
BEBB- - - - -	- - - - -	. . . Offsite landfilling/landspreading of wastes
BEC - - - - -	- - - - -	. . Incineration of wastes
BED - - - - -	-BFD- - - - -	. . Waste transportation/movement/handling
BEDA- - - - -	-BFDA - - - - -	. . . Onsite movement/handling of wastes
BEDB- - - - -	-BFDB - - - - -	. . . Offsite transportation of wastes
BF- - - - -	- - - - -	. Transportation/movement/handling of substances
BFA - - - - -	- - - - -	. . Raw materials transportation/movement/handling
BFAA- - - - -	- - - - -	. . . Transportation of raw materials to site
BFAB- - - - -	- - - - -	. . . Onsite movement/handling of raw materials

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Code at This Location	Codes at other Locations	TERMS
BFB - - - - -	- - - - -	. . Transportation/movement/handling of products/byproducts
BFBA- - - - -	- - - - -	. . . Transportation/movement/handling of refinery products
BFBA- - - - -	- - - - -	. . . . Product movement from refinery to refinery storage tanks
BFBAB - - - - -	- - - - -	. . . . Product movement from refinery to byproducts operation
BFBA- - - - -	- - - - -	. . . . Product movement from refinery to retort storage tanks
BFBA- - - - -	- - - - -	. . . . Product movement from refinery to shipping areas
BFBAE - - - - -	- - - - -	. . . . Shipping of refinery products offsite
BFBB- - - - -	- - - - -	. . . Transportation/movement/handling of byproducts from byproducts operation
BFBB- - - - -	- - - - -	. . . . Byproducts movement from byproducts building to refinery
BFBB- - - - -	- - - - -	. . . . Byproducts movement from byproducts building to storage tanks
BFBB- - - - -	- - - - -	. . . . Byproducts movement from byproducts building to shipping areas
BFBB- - - - -	- - - - -	. . . . Shipping of byproducts offsite
BFC - - - - -	- - - - -	. . Wood transportation/movement/handling
BFC- - - - -	- - - - -	. . . Transportation/movement/handling of untreated wood
BFC- - - - -	- - - - -	. . . . Transportation of untreated wood to site
BFCAB - - - - -	- - - - -	. . . . Onsite movement/handling of untreated wood
BFCB- - - - -	- - - - -	. . . . Transportation/movement/handling of treated wood
BFCBA - - - - -	- - - - -	. . . . Onsite movement/handling of treated wood
BFCBB - - - - -	- - - - -	. . . . Shipping of treated wood offsite
BFD - - - - -	-BED- - - - -	. . Waste transportation/movement/handling
BFDA- - - - -	-BEDA - - - - -	. . . Onsite movement/handling of wastes
BFDB- - - - -	-BEDB - - - - -	. . . Offsite transportation of wastes
BG- - - - -	- - - - -	. Maintenance/repair of equipment/facilities
BGA - - - - -	-DCFEG- - - - -	. . Maintenance/repair of wells/well equipment
BGAA- - - - -	-BGFA,DCFEGA- - - - -	. . . Maintenance/repair of well pumps
BGAAA - - - - -	-BGAF, BGFAA, BGFA, DCFEGAA, DCFEGEA- - - - -	. . . . Testing/inspection of well pumps
BGAB- - - - -	-DCFEGF - - - - -	. . . Maintenance/repair of well casings
BGABA - - - - -	-BGAFB, DCFEGED, DCFEGFA- - - - -	. . . . Testing/inspection of well casings
BGAC- - - - -	-DCFEBB, DCFEGB - - - - -	. . . Maintenance of well 23

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<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
BGACA - -	-BGAEA, DCFEFBBA, DCFEGBA, DCFEGDA- - - - -	. . . . Plugging/clogging of well 23
BGACB - -	-BG AFC, DCFEFBBB, DCFEGBB, DCFEGEB- - - - -	. . . . Testing/inspection of well 23
BGAD- - -	- - - - -	. . . Maintenance of well 105
BGADA - -	-BGAEB, DCFEFCBA, DCFEGCA, DCFEGDB- - - - -	. . . . Plugging/clogging of well 105
BGADB - -	-BGAFD, DCFEFCBB, DCFEGCB, DCFEGEC- - - - -	. . . . Testing/inspection of well 105
BGAE- - -	-DCFEGD - - - - -	. . . Plugging/clogging of wells
BGAEA - -	-BGACA, DCFEFBBA, DCFEGBA, DCFEGDA- - - - -	. . . . Plugging/clogging of well 23
BGAEB - -	-BGADA, DCFEFCBA, DCFEGCA, DCFEGDB- - - - -	. . . . Plugging/clogging of well 105
BGAF- - -	-DCFEGE - - - - -	. . . Testing/inspection of wells/well equipment
BGAFA - -	-BGAAA, BGFAA, BGFBA, DCFEGAA, DCFEGEA- - - - -	. . . . Testing/inspection of well pumps
BGAFB - -	-BGABA, DCFEGED, DCFEGFA- - - - -	. . . . Testing/inspection of well casings
BGAFC - -	-BGACB, DCFEFBBB, DCFEGBB, DCFEGEB- - - - -	. . . . Testing/inspection of well 23
BGAFD - -	-BGADB, DCFEFCBB, DCFEGCB, DCFEGEC- - - - -	. . . . Testing/inspection of well 105
BGB - - -	- - - - -	. Maintenance of stills/bottoms of stills
BGC - - -	- - - - -	. Condenser maintenance/repair
BGD - - -	- - - - -	. Cleaning inside of retorts
BGE - - -	- - - - -	. Maintenance/repair of piping/pipe trench system
BGEA- - -	- - - - -	. Testing/inspection of pipes
BGEB- - -	- - - - -	. Maintenance/repair of underground pipes
BGEBA - -	- - - - -	. Maintenance/repair of pipe trench system
BGEC- - -	- - - - -	. Maintenance/repair of above ground pipe system
BGECA - -	- - - - -	. Maintenance/repair of steam pipes/coils
BGF - - -	- - - - -	. Maintenance/repair of pumps

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Code at This Location	Codes at other Locations	TERMS
BGFA- - -	-BGAA, DCFEGA- - - - -	. . . Maintenance/repair of well pumps
BGFAA - -	-BGAAA, BGAFa, BGFBa, DCFEGAA, DCFEGEA- - - - -	. . . Testing/inspection of well pumps
BGFB- - -	- - - - -	. . . Testing/inspection of pumps
BGFBA - -	-BGAAA, BGAFa, BGFAA, DCFEGAA, DCFEGEA- - - - -	. . . Testing/inspection of well pumps
BGG - - -	- - - - -	. . . Boiler maintenance/repair
BGH - - -	- - - - -	. . . Maintenance/cleaning/repair of tanks
BGHA- - -	- - - - -	. . . Testing/inspection of tanks
BGHB- - -	- - - - -	. . . Maintenance of storage tanks
BGHBA - -	- - - - -	. . . Maintenance of refinery storage tanks
BGHBAA- -	- - - - -	. . . Maintenance of below ground refinery storage tanks
BGHBAB- -	- - - - -	. . . Maintenance of above ground refinery storage tanks
BGHBB - -	- - - - -	. . . Maintenance of retort storage tanks
BGHBBa- -	- - - - -	. . . Maintenance of below ground retort storage tanks
BGHBBB- -	- - - - -	. . . Maintenance of above ground retort storage tanks
BGJ - - -	- - - - -	. . . Maintenance of pollution control equipment/facilities
BGJA- - -	- - - - -	. . . Maintenance of settling basin
BGJAA - -	-BGJCA- - - - -	. . . Maintenance of hay/straw filters at settling basin
BGJAB - -	- - - - -	. . . Maintenance of baffle system at settling basin
BGJAC - -	- - - - -	. . . Maintenance of wastewater pipe system from refinery area to settling basin
BGJAD - -	- - - - -	. . . Maintenance of wastewater pipe system from retort area to settling basin
BGJAE - -	-BGJBB- - - - -	. . . Maintenance of drainage ditch/pipes from settling basin to Walker Street
BGJB- - -	- - - - -	. . . Maintenance of Walker Street pollution control equipment
BGJBA - -	-BGJCB- - - - -	. . . Maintenance of hay/straw filters alongside Walker Street
BGJBB - -	-BGJAE- - - - -	. . . Maintenance of drainage ditch/pipes from settling basin to Walker Street
BGJBC - -	- - - - -	. . . Maintenance of drainage ditch alongside Walker Street
BGJBD - -	- - - - -	. . . Maintenance of weir at Walker Street



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Code at This Location	Codes at other Locations	TERMS
BGJC-	- - - - -	. . . Maintenance of hay/straw filters
BGJCA	-BGJAA-	. . . . Maintenance of hay/straw filters at settling basin
BGJCB	-BGJBA-	. . . . Maintenance of hay/straw filters alongside Walker Street
BGJD-	- - - - -	. . . Maintenance of air scrubber
BGJE-	- - - - -	. . . Maintenance of phenol extraction tank
BGK	- - - - -	. . Deterioration of equipment
BGL	- - - - -	. . Recommendations/advice re equipment maintenance/repair
BGLA-	-HDB,MBAC,MBCA-	. . . Company recommendations re equipment maintenance/repair
BH-	- - - - -	. Installation/replacement of process equipment/facilities
BHA	-CHA,DCFEEA,DCFEFBA	. . Installation of well 23
BHB	-CHB,DCFEEB,DCFEFCA	. . Installation of well 105
BHC	- - - - -	. . Replacement of piping/pipe trench system
BHCA-	- - - - -	. . . Installation of above ground piping as replacement for underground pipes
BHD	- - - - -	. . Installation/replacement of steam pipes/coils
BHE	- - - - -	. . Installation/replacement of stills/bottoms of stills
BHF	- - - - -	. . Condenser installation/replacement
BHG	- - - - -	. . Retorts installation/replacement
BHH	- - - - -	. . Pump installation/replacement
BHJ	- - - - -	. . Boiler installation/replacement
BHK	- - - - -	. . Tank installation/replacement
BHKA-	- - - - -	. . . Installation/replacement of storage tanks
BHKAA	- - - - -	. . . . Installation/replacement of refinery storage tanks
BHKAAA-	- - - - -	. . . . . Installation/replacement of below ground refinery storage tanks
BHKAAB-	- - - - -	. . . . . Installation/replacement of above ground refinery storage tanks
BHKAB	- - - - -	. . . . Installation/replacement of retort storage tanks
BHKABA-	- - - - -	. . . . . Installation/replacement of above ground retort storage tanks
BHKABB-	- - - - -	. . . . . Installation/replacement of below ground retort storage tanks

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<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
BHKB- - - -BHLE - - - - -		. . . Installation/replacement of phenol extraction tank
BHL - - - - -		. . . Installation/replacement of pollution control equipment/facilities
BHLA- - - - -		. . . Installation of settling basin system
BHLAA - - -BHLCA- - - - -		. . . . Installation/replacement of hay/straw filters at settling basin
BHLAB - - - - -		. . . . Installation/replacement of baffle system at settling basin
BHLAC - - - - -		. . . . Installation/replacement of wastewater pipe system from refinery area to settling basin
BHLAD - - - - -		. . . . Installation/replacement of wastewater pipe system from retort area to settling basin
BHLAE - - -BHLBB- - - - -		. . . . Installation/replacement of drainage ditch/pipes from settling basin to Walker Street
BHLB- - - - -		. . . . Installation/replacement of Walker Street pollution control equipment
BHLBA - - -BHLCB- - - - -		. . . . Installation/replacement of hay/straw filters alongside Walker Street
BHLBB - - -BHLAE- - - - -		. . . . Installation/replacement of drainage ditch/pipes from settling basin to Walker Street
BHLBC - - - - -		. . . . Installation/replacement of drainage ditch alongside Walker Street
BHLBD - - - - -		. . . . Installation/replacement of weir at Walker Street
BHLC- - - - -		. . . . Installation/replacement of hay/straw filters
BHLCA - - -BHLAA- - - - -		. . . . Installation/replacement of hay/straw filters at settling basin
BHLCB - - -BHLBA- - - - -		. . . . Installation/replacement of hay/straw filters alongside Walker Street
BHLD- - - - -		. . . . Installation/replacement of air scrubber
BHLE- - - -BHKB - - - - -		. . . . Installation/replacement of phenol extraction tank
BHM - - - -MBB- - - - -		. . . Recommendations/advice re equipment installation/replacement
BHMA- - - -HDA,MBAB,MBBA- - - - -		. . . Company recommendations re equipment/installation replacement
BJ- - - - -		. . . Housekeeping practices
BJA - - - -HEA,MAAA - - - - -		. . . Company inspections/investigations re site housekeeping practices

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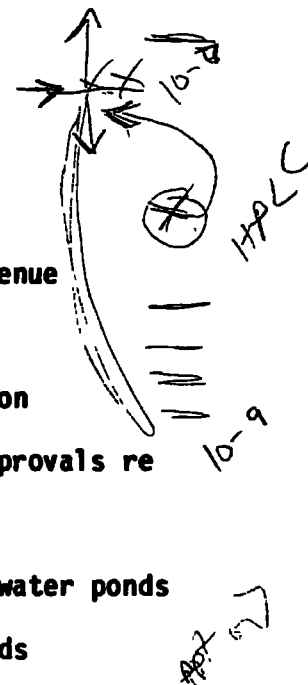
Code at This Location	Codes at other Locations	TERMS
BJB - - -	-MBD- - - - -	. . Recommendations/advice re housekeeping practices
BJBA- - -	-HDC,MBAD,MBDA- - - - -	. . . Company recommendations re houskeeping practices
BJC - - -	-BLF- - - - -	. . Covering/concealing of spill areas
BK- - -	- - - - -	. Leaks/leaking of equipment
KA - - -	- - - - -	. . Leaks/ruptures of stills
BKB - - -	- - - - -	. . Leaks in piping/pipe trenches
BKBA- - -	- - - - -	. . . Leaks in underground pipe system
BKBB- - -	- - - - -	. . . Leaks from pipe trench system
BKBC- - -	- - - - -	. . . Leaks in above ground pipe system
BKBD- - -	- - - - -	. . . Leaks in steam pipes/coils
BKC - - -	- - - - -	. . Leaks in pumps
BKCA- - -	- - - - -	. . . Leaks in well pumps
BKD - - -	- - - - -	. . Leaks in cistern
BKE - - -	- - - - -	. . Leaks/leaking of storage tanks
BKEA- - -	- - - - -	. . . Leaks/leaking of refinery storage tanks
BKEB- - -	- - - - -	. . . Leaks/leaking of retort storage tanks
BL- - -	- - - - -	. Spills/dripping of substances
BLA - - -	- - - - -	. . Spills/dripping in refinery area
BLAA- - -	- - - - -	. . . Spills/dripping at/near unloading shed next to tar cistern
BLAB- - -	- - - - -	. . . Spills/dripping in refinery building
BLAC- - -	- - - - -	. . . Spills/dripping of refinery storage tanks
BLAD- - -	- - - - -	. . . Spills/dripping in shipping area near refinery
BLB - - -	- - - - -	. . Spills/dripping in retort area
BLBA- - -	- - - - -	. . . Spills/dripping of retorts
BLBB- - -	- - - - -	. . . Spills/dripping in dock area near retorts
BLBC- - -	- - - - -	. . . Spills/dripping of retort storage tanks
BLC - - -	- - - - -	. . Spills/dripping in wood storage area
BLD - - -	-CGC- - - - -	. . Spills/dripping in course of demolition
BLE - - -	- - - - -	. . Offsite spills
BLEA- - -	- - - - -	. . . Offsite spills caused by company activities
BLEB- - -	- - - - -	. . . Offsite spills caused by others
BLF - - -	-BJC- - - - -	. . Covering/concealing of spill areas

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
BM-	- - - - -	. Fires/explosions
BMA	- - - - -	. . Fires/explosions at stills
BMB	- - - - -	. . Fires/explosions at storage tanks
BMC	- - - - -	. . Fires/explosions in boilers
BMD	- - - - -	. . Fires in wet lands/areas south of Walker Street
BN-	- - - - -	. Freezing of facilities/equipment in cold weather
BNA	- - - - -	. . Freezing of pipes
BNB	- - - - -	. . Freezing of tanks
BP-	- - - - -	. Company operations at other locations
BPA	- - - -BDB- - - - -	. . Offsite company lab testing
BPB	- - - - -	. . Company pollution control practices at other locations
BQ-	- - - - -	. Processing/operating activities of other companies

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
C - - - - -	- - - - -	Construction activities
CA- - - - -	- - - - -	. Street/highway construction
CAA - - - - -	- - - - -	. . Construction/paving/upgrading of Walker Street
CAB - - - - -	- - - - -	. . Extension/construction/paving/upgrading of Louisiana Avenue
CAC - - - - -	- - - - -	. . Construction of Highway 7
CAD - - - - -	- - - - -	. . Lake Street road work
CAE - - - - -	-ME - - - - -	. . Public comment re street/highway construction
CAF - - - - -	-HDD, MBAA - - - - -	. . Company comment/opposition to street/highway construction
CAG - - - - -	-CDD- - - - -	. . Earthmoving/excavation for street/highway construction
CAH - - - - -	-MF - - - - -	. . State of Minnesota/City of St. Louis Park agreements/approvals re street/highway construction
CB- - - - -	- - - - -	. Storm system/sewer/water ponds construction
CBA - - - - -	- - - - -	. . Onsite storm system/sewer/water ponds construction
CBAA- - - - -	-CBBA, CDBA, CDEA - - - - -	. . . Onsite earthmoving/excavation for storm system/sewer/water ponds construction
CBB - - - - -	-CDB- - - - -	. . Earthmoving/excavation for storm system/sewer/water ponds construction
CBBA- - - - -	-CBAA, CDBA, CDEA - - - - -	. . . Onsite earthmoving/excavation for storm system/sewer/water ponds construction
CC- - - - -	- - - - -	. Construction activities after site sale
CCA - - - - -	- - - - -	. . Residential construction onsite
CCAA- - - - -	- - - - -	. . . Construction of Oak Park Village
CCAB- - - - -	- - - - -	. . . Construction of Rustic Oaks Condominiums
CCAC- - - - -	-CDA- - - - -	. . . Earthmoving/excavation for residential construction
CCB - - - - -	- - - - -	. . Commercial/industrial construction
CCBA- - - - -	-CDC- - - - -	. . . Earthmoving/excavation for commercial/industrial construction
CD- - - - -	- - - - -	. Earthmoving/excavation activities
CDA - - - - -	-CCAC - - - - -	. . Earthmoving/excavation for residential construction
CDB - - - - -	-CBB- - - - -	. . Earthmoving/excavation for storm system/sewer/water ponds construction
CDBA- - - - -	-CBAA, CBBA, CDEA - - - - -	. . . Onsite earthmoving/excavation for storm system/sewer/water ponds construction



# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
CDC - - -	-CCBA - - - - -	. . Earthmoving/excavation for commercial/industrial construction
CDD - - -	-CAG- - - - -	. . Earthmoving/excavation for street/highway construction
CDE - - -	- - - - -	. . Onsite earthmoving/excavation activities
CDEA- - -	-CBAA,CBBA,CDBA - - - - -	. . . Onsite earthmoving/excavation for storm system/sewer/water ponds construction
CE- - - - -	- - - - -	. Company construction/replacement of onsite buildings until plant closing
CF- - - -	-EGB- - - - -	. Studies of site/soil of site for construction activities
CFA - - -	-EGBA - - - - -	. . National Biocentric Study
CG- - - -	- - - - -	. Demolition of buildings/facilities onsite
CGA - - -	- - - - -	. . Demolition during plant operations
CGB - - -	- - - - -	. . Demolition after plant closing
CGC - - -	-BLD- - - - -	. . Spills/dripping in course of demolition
CH- - - -	-DCFEE- - - - -	. Construction/installation of wells
CHA - - -	-BHA,DCFEEA,DCFEBFA - - - - -	. . Installation of well 23
CHB - - -	-BHB,DCFEEB,DCFEBFA - - - - -	. . Installation of well 105
CHC - - -	-DCFEEC - - - - -	. . Well logs/geological strata transversed in well construction

# PROJECT TWINS TAXONOMY

B

Code at This Location	Codes at other Locations	TERMS
D		Soil/rock/water at/near site
DA-		. Topography of site
DB-		. Soil/rock/glacial deposit
DBA		. . Sand/gravel
DBB		. . Clay
DBC		. . Peat
DBD		. . Tarry soils
DBE		. . Bedrock
DBEA-		. . . Bedrock valleys
DBEB-		. . . Limestone
DBEC-		. . . Sandstone
DBED-		. . . Shale
DBF		. . Soil/rock characteristics
DBFA-		. . . Composition/texture/color of soil/rock
DBFB-		. . . Permeability/hydraulic conductivity/porosity of soil/rock
DBFC-		. . . Sorption/ion exchange capacity of soil/rock
DBG	-EBC-	. . Soil/rock contamination
DBGA-	-EBCA	. . . Odor/visual contamination of soil
DC-		Water
DCA		. . Water levels/tables
DCB		. . Water usage/volume of water pumped from wells
DCC	-EBB-	. . Water contamination
DCD		. . Surface water
DCDA-		. . . Direction of surface water movement
DCDB-		. . . Quality of surface water
DCDC-		. . . Rivers/creeks
DCDCA		. . . . Mississippi River
DCDCB		. . . . Minnehaha Creek
DCDCBA-	-DCEF	. . . . Flooding of Minnehaha Creek
DCDCBAA	-DCEFA-	. . . . . Floodplain description of Minnehaha Creek
DCDD-		. . . Lakes
DCDE-		. . . Wetlands

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCDF-	-	Ponds
DCDFA	-AAE-	Cooling water pond/lagoon alongside refinery
DCDFB	-	Storm water ponds
DCE	-	Flooding/floods
DCEA-	-BEAD	Surface runoff
DCEB-	-	Storm water management/practices
DCEBA	-	Company practices re storm water management
DCEBB	-	St. Louis Park practices re storm water management
DCEBBA-	-	Pumping of storm water onto site by St. Louis Park
DCEC-	-	Flooding/floods onsite
DCECA	-	Flooding in refinery area
DCECAA-	-DCECDB	Flooding of refinery pipe trenches
DCECAB-	-	Flooding of cooling water pond
DCECB	-	Flooding in retort area
DCDCBA-	-	Flooding of retorts/catch basins beneath retorts
DCECBB-	-	Flooding in dock area near retort
DCECBC-	-	Flooding of retort storage tanks/treatment room
DCECBD-	-DCECDC	Flooding of retort pipe trenches
DCECC	-	Flooding in wood storage area
DCECD	-	Flooding of settling basin and tributary drainage system
DCECDA-	-	Flooding of settling basin
DCECDB-	-DCECAA	Flooding of refinery pipe trenches
DCECDC-	-DCECBD	Flooding of retort pipe trenches
DCECDD-	-	Flooding of onsite drainage ditch/drain tiles/pipes from settling basin to Walker Street
DCECDE-	-	Flooding of drainage ditch/culvert alongside Walker Street
DCED-	-	Flooding of Highway 7 Culvert
DCEE-	-	Flooding of Lake Street/railroad culvert
DCEF-	-DCDCBA	Flooding of Minnehaha Creek
DCEFA	-DCDCBAA-	Floodplain description of Minnehaha Creek
DCE	-	Groundwater
DCFA-	-	Quality of groundwater



# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCFB-	- - - - -	Direction of groundwater movement
DCFC--	- - - - -	Aquifers
DCFCA	- - - - -	Sole source aquifers
DCFCB	- - - - -	Mount Simon-Hinckley aquifer
DCFCC	- - - - -	Franconia-Ironton-Galesville aquifer
DCFCD	- - - - -	Prairie du Chien-Jordan aquifer
DCFCDA-	- - - - -	Prairie du Chien aquifer
DCFCDB-	- - - - -	Jordan aquifer
DCFCE	- - - - -	St. Peter aquifer
DCFCF	- - - - -	Platteville aquifer
DCFCG	- - - - -	Drift/till aquifer
DCFCGA-	- - - - -	Upper drift aquifer
DCFCGB-	- - - - -	Middle drift aquifer
DCFCGC-	- - - - -	Lower drift aquifer
DCFD-	- - - - -	Confining beds
DCFDA	- - - - -	Eau Claire confining bed
DCFDB	- - - - -	St. Lawrence-Franconia confining bed
DCFDC	- - - - -	Basal St. Peter confining bed
DCFDD	- - - - -	Glenwood confining bed
DCFE-	- - - - -	Wells
DCFEA	- - - - -	Well casings
DCFEB	- - - - -	Quality of well water
DCFEB A-	- - - - -	Taste of well water
DCFEBB-	- - - - -	Odor of well water
DCFEC	- - - - -	Capacity/yield of wells
DCFED	- - - - -	Multi-aquifer wells
DCFEE	- - CH - - - - -	Construction/installation of wells
DCFEEA-	- BHA,CHA,DCFEFBA-	Installation of well 23
DCFEEB-	- BHB,CHB,DCFEFCA-	Installation of well 105
DCFEEC	- CHC- - - - -	Well logs/geological strata transversed in well construction
DCFEF	- - - - -	Onsite wells
DCFEFA-	- DCFEJA,NJA - - - - -	Onsite monitoring wells

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCFEFB-	- - - - -	Well 23
DCFEFBA-	-BHA,CHA,DCFEEA - - - - -	Installation of well 23
DCFEFBB-	-BGAC,DCFEBB- - - - -	Maintenance of well 23
DCFEFBBA-	-BGACA,BGAEA,DCFEGBA,DCFEGDA-	Plugging/clogging of well 23
DCFEFBBB-	-BGACB,BGAFC,DCFEGBB,DCFEGEB-	Testing/inspection of well 23
DCFEFC-	- - - - -	Well 105
DCFEFCA-	-BHB,CHB,DCFEEB - - - - -	Installation of well 105
DCFEFCB-	- - - - -	Maintenance of well 105
DCFEFCBA-	-BGADA,BGAEB,DCFEGCA,DCFEGDB-	Plugging/clogging of well 105
DCFEFCBB-	-BGADB,BGAFD,DCFEGCB,DCFEGEC-	Testing/inspection of well 105
DCFEG-	-BGA- - - - -	Maintenance/repair of wells/well equipment
DCFEGA-	-BGAA,BGFA- - - - -	Maintenance/repair of well pumps
DCFEGAA-	-BGAAA,BGAFA,BGFAA,BGFBA, DCFEGEA- - - - -	Testing/inspection of well pumps
DCFEGB-	-BGAC,DCFEBB- - - - -	Maintenance of well 23
DCFEGBA-	-BGACA,BGAEA,DCFEBBA,DCFEGDA	Plugging/clogging of well 23
DCFEGBB-	-BGACB,BGAFC,DCFEBBB,DCFEGEB	Testing/inspection of well 23
DCFEGC-	-BGAD,DCFECB - - - - -	Maintenance of well 105
DCFEGCA-	-BGADA,BGAEB,DCFECBA,DCFEGDB	Plugging/clogging of well 105
DCFEGCB-	-BGADB,BGAFD,DCFEEBB,DCFEGEC	Testing/inspection of well 105
DCFEGD-	-BGAE - - - - -	Plugging/clogging of wells
DCFEGDA-	-BGACA,BEAEA,DCFEBBA,DCFEGBA	Plugging/clogging of well 23
DCFEGDB-	-DGADA,BGAEB,DCFECBA,DCFEGCA	Plugging/clogging of well 105
DCFEGE-	-BGAF - - - - -	Testing/inspection of wells/well equipment
DCFEGEA-	-BGAAA,BGAFA,BGFAA,BGFBA, DCFEGAA- - - - -	Testing/inspection of well pumps
DCFEGEB-	-BGACB,BGAFC,DCFEBBB,DCFEGBB	Testing/inspection of well 23
DCFEGEC-	-BGADB,BGAFD,DCFECBB,DCFEGCB	Testing/inspection of well 105
DCFEGED-	-BGABA,BGAFB,DCFEGFA- - - - -	Testing/inspection of well casings
DCFEGF-	-BGAB - - - - -	Maintenance/repair of well casings
DCFEGFA-	-BGABA,BGAFB,DCFEGED- - - - -	Testing/inspection of well casings
DCFEH-	- - - - -	Offsite wells

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
DCFEHA-	-DCFEJB,NJB	Offsite monitoring wells
DCFEHAA	-DCFEJBA,NJBA	St. Louis Park offsite monitoring wells
DCFEHAB	-DCFEJBB,NJBB	Monitoring wells of communities outside St. Louis Park
DCFEHB-	-	Municipal wells
DCFEHBA	-	Minnetonka municipal wells
DCFEHBB	-	Bloomington municipal wells
DCFEHBC	-	Richfield municipal wells
DCFEHBD	-	Edina municipal wells
DCFEHBE	-	Hopkins municipal wells
DCFEHBF	-	St. Louis Park municipal wells
DCFEHBG	-	Plymouth municipal wells
DCFEHBH	-	White Bear Lake municipal wells
DCFEHBJ	-	Robbinsdale municipal wells
DCFEHBK	-	Burnsville municipal wells
DCFEHBL	-	Shoreview municipal wells
DCFEHBM	-	North St. Paul municipal wells
DCFEHBN	-	Vadnais Heights municipal wells
DCFEHC-	-	Nonmunicipal domestic/residential wells
DCFEHD-	-	Nonmunicipal industrial/commercial wells
DCFEHDA	-	Minneapolis nonmunicipal wells
DCFEHDB	-	St. Paul nonmunicipal wells
DCFEHDC	-	Minnetonka nonmunicipal wells
DCFEHDD	-	Bloomington nonmunicipal wells
DCFEHDE	-	Richfield nonmunicipal wells
DCFEHDF	-	Edina nonmunicipal wells
DCFEHDG	-	Hopkins nonmunicipal wells
DCFEHDH	-	St. Louis Park nonmunicipal wells
DCFEHDJ	-	Plymouth nonmunicipal wells
DCFEHDK	-	White Bear Lake nonmunicipal wells
DCFEHDL	-	Robbinsdale nonmunicipal wells
DCFEHDM	-	Burnsville nonmunicipal wells

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
DCFENDN - - - - -		Shoreview nonmunicipal wells
DCFENDP - - - - -		North St. Paul nonmunicipal wells
DCFENDQ - - - - -		Vadnais Heights nonmunicipal wells
DCF EJ - - - - -		Monitoring wells
DCF EJA- - -DCFEFA,NJA - - - - -		Onsite monitoring wells
DCF EJ B- - -DCFEHA,NJB - - - - -		Offsite monitoring wells
DCF EJ BA - -DCFEHAA,NJBA - - - - -		St. Louis Park offsite monitoring wells
DCF EJ BB - -DCFEHAB,NJBB - - - - -		Monitoring wells of communities outside St. Louis Park

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
E - - - - -	- - - - -	Health/environmental effects/testing
EA- - - - -	- - - - -	. Health effects
EAA - - - - -	- - - - -	. . Health effects on humans
EEEE- - - - -	- - - - -	. . . Health effects on employees/former employees
EAAB- - - - -	- - - - -	. . . Health effects on residents
EAB - - - - -	- - - - -	. . Health effects on animal test subjects
EABA- - - - -	- - - - -	. . . Acute effects on animal test subjects
EABB- - - - -	- - - - -	. . . Chronic effects on animal test subjects
EAC - - - - -	- - - - -	. . No Observable Effects Levels (NOEL)
EAD - - - - -	- - - - -	. . Toxicological surveys/studies/health risk assessments
EAE - - - - -	- - - - -	. . Epidemiological surveys/studies
EAEA- - - - -	- - - - -	. . . Evaluations of health studies
EAEB- - - - -	- - - - -	. . . Comparisons of health studies
EAEC- - - - -	- - - - -	. . . Minnesota Department of Health (MDH) studies of St. Louis Park
EAED- - - - -	- - - - -	. . . Environmental Protection Agency (EPA) studies of St. Louis Park
EAF - - - - -	- - - - -	. . Death rates/illness
EAFB- - - - -	- - - - -	. . . Irritations/burns resulting from exposure to contaminants
EAFB- - - - -	- - - - -	. . . Cancers
EAFBA - - - - -	- - - - -	. . . . Gastro-intestinal cancer
EAFBB - - - - -	- - - - -	. . . . Breast cancer
EAFBC - - - - -	- - - - -	. . . . Bladder cancer
EAFBD - - - - -	- - - - -	. . . . Carcinogenic effects of substances
EAFC- - - - -	- - - - -	. . . Mutagenic effects of substances
EAFD- - - - -	- - - - -	. . . Teratogenic effects of substances
EB- - - - -	- - - - -	. Environmental damage resulting from contaminants
EBA - - - - -	- - - - -	. . Damage to plant life resulting from contaminants
EBB - - - -DCC-	- - - - -	. . Water contamination
EBC - - - -DBG-	- - - - -	. . Soil/rock contamination
EBCA- - - -DBGA	- - - - -	. . . Odor/visual contamination of soil
EBD - - - - -	- - - - -	. . Air pollution
EBE - - - - -	- - - - -	. . Unpredictable environmental impacts
EC- - - - -	- - - - -	. Sources of contamination

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
ECA - - - - -	- - - - -	. . Company site/coal tar as source of contamination
ED- - - - -	- - - - -	. Migration of contaminants
EDA - - - - -	- - - - -	. . Pathways of contaminant migration
EDAA- - - - -	- - - - -	. . . Contaminant migration through wells
EDB - - - - -	- - - - -	. . Rate/distance/time periods of contaminant migration
EDC - - - - -	- - - - -	. . Transformation/breakdown of contaminants during migration
EDD - - - - -	-NH - - - - -	. . Control of contaminant migration
EDDA- - - - -	-NHA- - - - -	. . . Barrier/pumpout well system
EDDB- - - - -	-NHB- - - - -	. . . Control by pumping existing municipal/industrial wells
EF- - - - -	-MD - - - - -	. Warnings/notifications re health/environmental matters
EG- - - - -	- - - - -	. Environmental studies/investigations/surveys
EGA - - - - -	-FB - - - - -	. . Studies of site/soil of site prior to sale of site
EGB - - - - -	-CF - - - - -	. . Studies of site/soil of site for construction activities
EGBA- - - - -	-CFA- - - - -	. . . National Biocentric Study
EGC - - - - -	- - - - -	. . Hydrogeologic studies/investigations/surveys
EGCA- - - - -	- - - - -	. . . USGS studies
EGCAA - - - - -	-LDEKA,NLKA - - - - -	. . . . Costs of USGS studies
EGCB- - - - -	- - - - -	. . . Barr Engineering reports
EGCBA - - - - -	-LDEKB,NLKB - - - - -	. . . . Costs of Barr Engineering reports
EGCC- - - - -	- - - - -	. . . Hickok reports
EGCCA - - - - -	-LDEKC,NLKC - - - - -	. . . . Costs of Hickok reports
EH- - - - -	- - - - -	. Testing protocols/procedures/techniques
EHA - - - - -	- - - - -	. . Sampling protocols/procedures/techniques
EHAA- - - - -	- - - - -	. . . Water sampling/sampling procedures
EHAAA - - - - -	- - - - -	. . . . Depth of water sampling
EHAAB - - - - -	- - - - -	. . . . Location of water sampling
EHAB- - - - -	- - - - -	. . . Soil sampling/sampling procedures
EHABA - - - - -	- - - - -	. . . . Soil borings
EHABAA- - - - -	- - - - -	. . . . . Location/identification number of soil borings
EHAC- - - - -	- - - - -	. . . Changes in sampling protocols/procedures/techniques
ENB - - - - -	- - - - -	. . Custody protocols/procedures/techniques
ENBA- - - - -	- - - - -	. . . Chain of custody re water samples

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
EHBB-	- - - - -	. . . Chain of custody re soil samples
EHBC-	- - - - -	. . . Changes in custody protocols/procedures/techniques
EHCB-	- - - - -	. . . Quality control/assurance in laboratory testing
EHCA-	- - - - -	. . . Quality control/assurance re water samples
EHCB-	- - - - -	. . . Quality control/assurance re soil samples
EHD-	- - - - -	. . . Analytical protocols/procedures/techniques
EHDA-	- - - - -	. . . Analytical protocols/procedures/techniques for company operations
EHDB-	- - - - -	. . . Changes in analytical protocols/procedures/techniques
EHDC-	- - - - -	. . . Problems in analyzing soil/water samples
EHDCA-	- - - - -	. . . Analytical problems resulting from sample storage
EHDD-	- - - - -	. . . Extraction of fractions
EHDDA-	- - - - -	. . . Extraction of volatile fractions
EHDDB-	- - - - -	. . . Extraction of acid fractions
EHDDC-	- - - - -	. . . Extraction of base/neutral fractions
EHDE-	- - - - -	. . . Chromatography
EHDEA-	- - - - -	. . . Gas chromatography (GC)
EHDEB-	- - - - -	. . . Liquid chromatography (LC)
EHDEBA-	- - - - -	. . . High performance liquid chromatography (HPLC)
EHDEC-	- - - - -	. . . Gas/liquid chromatography (GLC)
EHDED-	- - - - -	. . . Thin layer chromatography/strip chromatography
EHDEE-	- - - - -	. . . Column chromatography
EHDF-	- - - - -	. . . Spectrometry
EHDFA-	- - - - -	. . . Colorimetric techniques
EHDFB-	- - - - -	. . . Mass spectrometry (MS)
EHDG-	- - - - -	. . . Gas chromatography/mass spectrometry (GCMS)
EHDH-	- - - - -	. . . Liquid chromatography/mass spectrometry (LCMS)
EHE-	- - - - -	. . . Evaluations of monitoring techniques/results
EHF-	- - - - -	. . . Comparisons of monitoring techniques/results

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
F - - - -	- - - - -	Purchase/sale of site
FA- - - -	-MBE- - - - -	. Recommendations/advice re purchase/sale of site
FAA - - -	-MBEA - - - - -	. . Recommendations/advice to St. Louis Park/Housing and Redevelopment Authority re purchase of site
FB- - - -	-EGA- - - - -	. Studies of site/soil of site prior to sale of site
FC- - - -	-NAA- - - - -	. Plans for/assessment of remedial action prior to site sale
FCA - - -	-LDEA,NAAA,NLA- - - - -	. . Estimated costs of remedial action prior to site sale
FD- - - -	- - - - -	. Hold harmless agreement
FE- - - -	- - - - -	. Price of plant site
FF- - - -	- - - - -	. Property sold "as is"



# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
G - - - - -	- - - - -	Meetings
GA- - - - -	- - - - -	. Meetings with company representatives
GAA - - - -	-GBC- - - - -	. . Meetings between company representatives and federal representa- tives
GAB - - - -	-GCC- - - - -	. . Meetings between company representatives and state representatives
GAC - - - -	-GDD- - - - -	. . Meetings between company representatives and regional/municipal government representatives
GACA- - - -	-GDED - - - - -	. . . Meetings between company representatives and St. Louis Park representatives
GAD - - - - -	- - - - -	. . Meetings between company representatives from site and company representatives from other locations
GB- - - - -	- - - - -	. Meetings with federal representatives
GBA - - - -	-GCA- - - - -	. . Meetings between federal representatives and state representatives
GBB - - - -	-GDA- - - - -	. . Meetings between federal representatives and regional/municipal government representatives
GBBA- - - -	-GDEA - - - - -	. . . Meetings between federal representatives and St. Louis Park representatives
GBC - - - -	-GAA- - - - -	. . Meetings between company representatives and federal representa- tives
GC- - - - -	- - - - -	. Meetings with state representatives
GCA - - - -	-GBA- - - - -	. . Meetings between federal representatives and state representatives
GCB - - - -	-GDB- - - - -	. . Meetings between state representatives and regional/municipal gov- ernment representatives
GCBA- - - -	-GDEB - - - - -	. . . Meetings between state representatives and St. Louis Park repre- sentatives
GCC - - - -	-GAB- - - - -	. . Meetings between company representatives and state representatives
GD- - - - -	- - - - -	. Meetings with regional/municipal government representatives
GDA - - - -	-GBB- - - - -	. . Meetings between federal representatives and regional/municipal government representatives
GDB - - - -	-GCB- - - - -	. . Meetings between state representatives and regional/municipal re- presentatives

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
GDC - - -	-DGEC - - - - -	. . Meetings between St. Louis Park and other regional/municipal gov- ernment representatives
GDD - - -	-GAC- - - - -	. . Meetings between company representatives and regional/municipal representatives
GDE - - - - -	- - - - -	. . Meetings with St. Louis Park representatives
GDEA- - -	-GBBA - - - - -	. . . Meetings between federal representatives and St. Louis Park representatives
GDEB- - -	-GCBA - - - - -	. . . Meetings between state representatives and St. Louis Park repre- sentatives
GDEC- - -	-GDC- - - - -	. . . Meetings between St. Louis Park representatives and other regional/municipal representatives
GDED- - -	-GACA - - - - -	. . . Meetings between company representatives and St. Louis Park representatives

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
H - - - - -		Company management/specifications/practices
HA- - - - -		. Company management/structure
HAA - - - - -		. . Company management/structure at St. Louis Park
HB- - - - -		. Company authority/responsibility for environmental affairs/waste disposal
HBA - - - - -		. . Company authority/responsibility for environmental affairs/waste disposal at St. Louis Park site
HC- - - - -	-LA - - - - -	. Assets/net worth of company
HD- - - - -	-MBA- - - - -	. Recommendations/advice by company personnel
HDA - - - - -	-BHMA,MBAB,MBBA - - - - -	. . Company recommendations re equipment installation/replacement
HDB - - - - -	-BGLA,MBAC,MBCA - - - - -	. . Company recommendations re equipment maintenance/repair
HDC - - - - -	-BJBA,MBAD,MBDA - - - - -	. . Company recommendations re housekeeping practices
HDD - - - - -	-CAF,MBAA - - - - -	. . Company comment/opposition to street/highway construction
HE- - - - -	-MAA- - - - -	. Company inspections/investigations at site
HEA - - - - -	-BJA,MAAA - - - - -	. . Company inspections/investigations re site housekeeping practices
HF- - - - -		. Company reports filed with federal government/EPA/U.S. Corps of Engineers
HG- - - - -		. Insurance/insurance records
HGA - - - - -		. . Workers compensation insurance
HGB - - - - -		. . Insurance claims
HGBA- - - - -		. . . Payment/settlement of insurance claims
HGC - - - - -	-MAC,MBF- - - - -	. . Inspections/evaluations/recommendations by insurance companies
HH- - - - -		. Trade associations
HHA - - - - -		. . Wood treaters/preservers association
HJ- - - - -		. Unions
HK- - - - -	-MGB- - - - -	. Litigation by/against company
HKA - - - - -	-MGBA - - - - -	. . Government litigation against company
HKB - - - - -	-MGBC - - - - -	. . Company litigation re St. Louis Park taxes
HKC - - - - -	-MGBB - - - - -	. . Company litigation against Housing and Redevelopment Authority
HL- - - - -		. Customer/industry specifications/criteria/standards
HLA - - - - -		. . Customer specifications/criteria/standards for treated wood
HLAA- - - - -		. . . MnDOT specifications/criteria/standards for treated wood

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
HLB - - - - -	- - - - -	. . Customer specifications/criteria/standards for refinery products
HLC - - - - -	- - - - -	. . Industry specifications/criteria/standards for handling/disposal of wastes
HLCA- - - - -	- - - - -	. . . Company standards for handling/disposal of wastes
HLCB- - - - -	- - - - -	. . . Industry practices for handling/disposal of wastes
HLCBA - - - - -	- - - - -	. . . . Company practices for handling/disposal of wastes
HLCC- - - - -	- - - - -	. . . State of the art re handling/disposal of wastes

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
J - - - - -	- - - - -	Government standards/legislation/regulations/permits
JA- - - - -	- - - - -	. Water quality standards/criteria
JAA - - - - -	- - - - -	. . World Health Organization (WHO) standards
JAB - - - - -	- - - - -	. . National Academy of Science (NAS) standards
JAC - - - - -	- - - - -	. . Safe Drinking Water Act (SDWA) standards
JACA- - - - -	- - - - -	. . . Primary Drinking Water Standards (Safe Drinking Water Act)
JACB- - - - -	- - - - -	. . . Secondary Drinking Water Standards (Safe Drinking Water Act)
JAD - - - - -	- - - - -	. . Environmental Protection Agency (EPA) Water Quality Criteria
JAE - - - - -	- - - - -	. . Suggested Non-Adverse Reaction Levels (SNARLS)
JAF - - - - -	- - - - -	. . Government effluent/discharge standards
JAF A- - - - -	- - - - -	. . . Government standards for discharge to surface waters
JAF B- - - - -	- - - - -	. . . Government standards for discharge to groundwater/disposal wells
JAF C- - - - -	- - - - -	. . . Government standards for discharge to sewers/sewage treatment plant
JB- - - - -	- - - - -	. Compliance with government regulations/legislation/standards
JBA - - - - -	- - - - -	. . Compliance with government regulations/legislation/standards for handling/disposal of wastes
JC- - - - -	- - - - -	. Permits
JCA - - - - -	- - - - -	. . NPDES/SPDES wastewater discharge permits
JCB - - - - -	- - - - -	. . Water use/withdrawal/MN DNR permits
JCC - - - - -	- - - - -	. . Minnesota disposal system permit for wastewater
JCD - - - - -	- - - - -	. . Minnesota permit for liquid storage
JCE - - - - -	- - - - -	. . Building permits
JCF - - - - -	- - - - -	. . Violations of permits
JCG - - - - -	- - - - -	. . Denials of permits

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
K - - - - -	- - - - -	Chemicals/materials/products
KA- - - - -	- - - - -	. Chemical compositions
KAA - - - - -	- - - - -	. . Chemical composition of raw materials
KAB - - - - -	- - - - -	. . Chemical composition of products/byproducts
KAC - - - - -	- - - - -	. . Chemical composition of wastes
KB- - - - -	- - - - -	. Chemical concentrations
KBA - - - - -	- - - - -	. . Chemical concentrations in water samples
KBAA- - - - -	- - - - -	. . . Chemical concentrations in surface water samples
KBAB- - - - -	- - - - -	. . . Chemical concentrations in groundwater samples
KBABA - - - - -	- - - - -	. . . . Chemical concentrations in municipal wells
KBB - - - - -	- - - - -	. . Chemical concentrations in soil samples
KBBA- - - - -	- - - - -	. . . Chemical concentrations in rock samples
KC- - - - -	-KLA- - - - -	. Chemicals used for treating wood
KCA - - - - -	-KLAA,KMA - - - - -	. . Creosote
KCB - - - - -	-KLAB - - - - -	. . Petroleum oil
KCC - - - - -	-KLAC - - - - -	. . Zinc chloride (ZnCl <sub>2</sub> )
KCD - - - - -	-KFEAA,KFGCAA,KLAD- - - - -	. . Pentachlorophenols
KD- - - - -	- - - - -	. Chemicals added to boiler system
KE- - - - -	- - - - -	. Chemicals other than those used for treating wood/added to boiler system
KF- - - - -	- - - - -	. Organics
KFA - - - - -	- - - - -	. . Organic carbon
KFAA- - - - -	- - - - -	. . . Total organic carbon (TOC)
KFAB- - - - -	- - - - -	. . . Dissolved organic carbon (DOC)
KFAC- - - - -	- - - - -	. . . Suspended organic carbon (SOC)
KFAD- - - - -	- - - - -	. . . Tests for organic carbon
KFB - - - - -	- - - - -	. . Polynuclear aromatic hydrocarbons (PAH)
KFBA- - - - -	- - - - -	. . . Chrysene
KFBB- - - - -	-KNA- - - - -	. . . Naphthalene
KFBBA - - - - -	-KNAA - - - - -	. . . . Naphthalene compounds
KFBBA- - - - -	-KNAAB- - - - -	. . . . . Acenaphthene
KFBBA- - - - -	-KNAAB- - - - -	. . . . . 2-methylnaphthalene
KFBBA- - - - -	-KFGCK,KNAAC- - - - -	. . . . . Chloronaphthalenes

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
KFBC-	- - - - -	Fluoranthene
KFBCA	- - - - -	Fluoranthene compounds
KFBCAA-	- - - - -	Benzofluoranthenes
KFBCAAA	- - - - -	Benzo (b) fluoranthene
KFBCAAB	- - - - -	Benzo (j) fluoranthene
KFBD-	- - - - -	Fluorene
KFBE-	- - - - -	Pyrene
KFBEA	- - - - -	Pyrene compounds
KFBEAA-	- - - - -	Benzopyrenes
KFBEAAA	- - - - -	Benzo (a) pyrene (BaP)
KFBEAAB	- - - - -	Benzo (e) pyrene
KFBEAAC	- - - - -	Dibenzo (a,e) pyrene
KFBEAAD	- - - - -	Dibenzo (a,h) pyrene
KFBEAAE	- - - - -	Indeno (1,2,3-c,d) pyrene
KFBF-	-KNF-	Phenanthrene
KFBFA	-KNFA	Phenanthrene compounds
KFBG-	- - - - -	Meso-naphthodanthrene
KFBH-	-KNE-	Benzenes
KFBHA	-KFGCD,KNEA	Chlorinated benzenes
KFBHAA-	-KFBHBB,KFGCDA,KNEAA,KNEBBA-	Chlorinated toluenes
KFBHB	-KNEB	Methyl/ethyl benzenes
KFBHBA-	-KNEBA-	Xylenes
KFBHBB-	-KNEBB-	Toluenes
KFBHBBA	-KFBHAA,KFGCDA,KNEAA,KNEBBA	Chlorinated toluenes
KFBJ-	- - - - -	Perylene
KFBJA	- - - - -	Perylene compounds
KFBJAA-	- - - - -	Benzoperylene
KFBK-	- - - - -	Anthracene
KFBKA	-KNG-	Anthracene compounds
KFBKAA-	-KNGA	Carbazole
KFBKAB-	-KNGB	Benzanthracene
KFBKABA	-KNGBA-	Dibenz (a,h) anthracene

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
KFBKABB -	-KNGBB-	7,12-dimethylbenz (a) anthracene
KFBKABC -	-KNGBC-	Benzo (a) anthracene
KFBKABD -	-KNGBD-	3-methylcholanthrene
KFBKABE -	-KNGBF-	Tetracene
KFBKABF -	-KNGBE-	Benzanthracene compounds
KFBL -		Coronene
KFC -		Biphenyls
KFCA -	-KFGCC-	PCB (polychlorinated biphenyls)
KFD -		Cresols
KFE -		Phenols
KFEA -	-KFGCA-	Chlorinated phenols
KFEAA -	-KCD, KFGCAA, KLAD-	Pentachlorophenols
KFF -		Benzene/hexane extractables
KFG -		Priority pollutants/extremely toxic substances
KFGA -		Endosulfan
KFGB -		Dioxin or chemicals containing that root
KFGC -		Chlorinated compounds
KFGCA -	-KFEA -	Chlorinated phenols
KFGCAA -	-KCD, KFEAA, KLAD	Pentachlorophenols
KFGCB -		Carbon tetrachloride/chloroform
KFGCC -	-KFCA -	PCB (polychlorinated biphenyls)
KFGCD -	-KFBHA, KNEA -	Chlorinated benzenes
KFGCDA -	-KFBHAA, KFBHBBA, KNEAA, KNEBBA-	Chlorinated toluenes
KFGCE -		Hexachlorobutadiene
KFGCF -		Hexachlorocyclopentadiene
KFGCG -		Chlorinated ethanes
KFGCH -		Chlorinated ethylenes
KFGCJ -	-KJCA -	Chlorinated methanes
KFGCK -	-KFBBAC	Chloronaphthalenes
KG -		Inorganics
KGA -		Bromide
KGB -		Fluoride



PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
KGC	- - - - -	. . Carbonate
KGD	- - - - -	. . Bicarbonate
KGE	- - - - -	. . Thiocyanate
KGF	- - - - -	. . Cyanide
KGG	- - - - -	. . Chloride
KGH	- - - - -	. . Sulphate
KGJ	- - - - -	. . Silica
KGK	- - - - -	. . Metals
KGKA-	- - - - -	. . Arsenic (As)
KGKB-	- - - - -	. . Barium (Ba)
KGKC-	- - - - -	. . Boron (B)
KGKD-	- - - - -	. . Cadmium (Cd)
KGKE-	- - - - -	. . Calcium (Ca)
KGKF-	- - - - -	. . Chromium (Cr)
KGKG-	- - - - -	. . Cobalt (Co)
KGKH-	- - - - -	. . Copper (Cu)
KGKJ-	- - - - -	. . Iron (Fe)
KGKK-	- - - - -	. . Lead (Pb)
KGKL-	- - - - -	. . Lithium (Li)
KGKM-	- - - - -	. . Magnesium (Mg)
KGKN-	- - - - -	. . Manganese (Mn)
KGKP-	- - - - -	. . Mercury (Hg)
KGKQ-	- - - - -	. . Molybdenum (Mo)
KGKR-	- - - - -	. . Nickel (Ni)
KGKS-	- - - - -	. . Potassium (K)
KGKT-	- - - - -	. . Selenium (Se)
KGKU-	- - - - -	. . Sodium (Na)
KGKV-	- - - - -	. . Zinc (Zn)
KGL	- - - - -	. . Nutrients
KGLA-	- - - - -	. . Nitrogen
KGLAA	- - - - -	. . . Total nitrate and nitrite (NO <sub>3</sub> + NO <sub>2</sub> )
KGLAB	- - - - -	. . . Nitrate nitrogen (NO <sub>3</sub> )

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
KGLAC - - - - -	- - - - -	. . . . Nitrite nitrogen (NO <sub>2</sub> )
KGLAD - - - - -	- - - - -	. . . . Kjeldahl nitrogen
KGLADA- - - - -	- - - - -	. . . . Organic nitrogen
KGLADB- - - - -	- - - - -	. . . . Ammonia nitrogen (NH <sub>4</sub> , NH <sub>3</sub> )
KGLB- - - - -	- - - - -	. . . Phosphorus
KH- - - - -	- - - - -	. Microorganisms
KHA - - - - -	- - - - -	. Bacteria
KHAA- - - - -	- - - - -	. . . Aerobic bacteria
KHAB- - - - -	- - - - -	. . . Anaerobic bacteria
KJ- - - - -	- - - - -	. Gases
KJA - - - - -	- - - - -	. . Carbon dioxide
KJB - - - - -	- - - - -	. . Oxygen
KJC - - - - -	- - - - -	. . Methanes
KJCA- - - - -	-KFGCJ- - - - -	. . . Chlorinated methanes
KK- - - - -	- - - - -	. Analytical properties
KKA - - - - -	- - - - -	. . Boiling point
KKB - - - - -	- - - - -	. . Specific gravity
KKC - - - - -	- - - - -	. . Specific viscosity
KKD - - - - -	- - - - -	. . Percent water
KKE - - - - -	- - - - -	. . Total solids
KKEA- - - - -	- - - - -	. . . Total volatile solids
KKEB- - - - -	- - - - -	. . . Total dissolved solids
KKF - - - - -	- - - - -	. . Total hardness
KKG - - - - -	- - - - -	. . Specific conductivity
KKH - - - - -	- - - - -	. . pH properties
KL- - - - -	- - - - -	. Raw materials
KLA - - - - -	-KC - - - - -	. . Chemicals used for treating wood
KLAA- - - - -	-KCA, KMA- - - - -	. . . Creosote
KLAB- - - - -	-KCB- - - - -	. . . Petroleum oil
KLAC- - - - -	-KCC- - - - -	. . . Zinc chloride (ZnCl <sub>2</sub> )
KLAD- - - - -	-KCD, KFEAA, KFGCAA - - - - -	. . . Pentachlorophenol
KLB - - - - -	- - - - -	. . Coal tar

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
KLC - - - - -		. . Sodium hydroxide (NaOH)
KLD - - - - -		. . Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> )
KLE - - - - -		. . Wood
KLEA- - - - -		. . Railroad ties
KM- - - - -		. Products from refinery operations
KMA - - - -KCA, KLAA		. . Creosote
KMB - - - - -		. . Coke
KMC - - - - -		. . Pitch
KMCA- - - - -		. . Roofing pitch
KMCB- - - - -		. . Binder pitch
KMD - - - - -		. . Road tars
KME - - - - -		. . Light oils
KMF - - - - -		. . Heavy oils
KN- - - - -		. Byproducts from byproducts operations
KNA - - - -KFB		. . Naphthalene
KNAA- - - -KFBBA		. . Naphthalene compounds
KNAAB - - - -KFBBA		. . . Acenaphthene
KNAAB - - - -KFBBAB		. . . 2-methylnaphthalene
KNAAC - - - -KFBBA, KFGKC		. . . Chloronaphthalenes
KNB - - - - -		. . Tar acids
KNC - - - - -		. . Tar bases
KND - - - - -		. . Naphtha oil
KNE - - - -KFBH		. . Benzenes
KNEA- - - -KFBHA, KFGCD		. . Chlorinated benzenes
KNEAA - - - -KFBHAA, KFBHBBA, KFGCDA, KNEBBA		. . . Chlorinated toluenes
KNEB- - - -KFBHB		. . Methyl/ethyl benzenes
KNEBA - - - -KFBHBA		. . . Xylenes
KNEBB - - - -KFBHBB		. . . Toluenes
KNEBBA- - - -KFBHAA, KFBHBBA, KFGCDA, KNEAA		. . . Chlorinated toluenes
KNF - - - -KFBF		. . Phenanthrene
KNFA- - - -KFBFA		. . Phenanthrene compounds
KNG - - - -KFBKA		. . Anthracene compounds

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
KNGA- - -	-KFBKAA - - - - -	. . . Carbazole
KNGB- - -	-KFBKAB - - - - -	. . . Benzanthrane
KNGBA - -	-KFBKABA- - - - -	. . . Dibenz (a,h) anthracene
KNGBB - -	-KFBKABB- - - - -	. . . 7,12-dimethylbenz (a) anthracene
KNGBC - -	-KFBKABC- - - - -	. . . Benzo (a) anthracene
KNGBD - -	-KFBKABD- - - - -	. . . 3-methylcholanthrene
KNGBE - -	-KFBKABF- - - - -	. . . Benzanthrane compounds
KNGBF - -	-KFBKABE- - - - -	. . . Tetracene
KP- - -	- - - - -	. Waste products/discarded materials
KPA - - -	- - - - -	. . Wastes from cleaning settling basin
KPB - - -	- - - - -	. . Waste residues from hay/straw filters
KPC - - -	- - - - -	. . Wastes from cleanup of spills
KPD - - -	- - - - -	. . Wastes from cleaning tar cistern
KPE - - -	- - - - -	. . Wastes from cleaning ditches/trenches/drainage tiles/pipes
KPF - - -	- - - - -	. . Condenser water from refinery
KPG - - -	- - - - -	. . Wastewater from retort operations
KPH - - -	- - - - -	. . Boiler blowdown
KPJ - - -	-BEAB - - - - -	. . Wet cut
KPK - - -	- - - - -	. . Volume/amounts of waste products/discarded materials

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
L - - - - -	- - - - -	Financial aspects
LA- - - - -	-HC - - - - -	. Assets/net worth of company
LB- - - - -	- - - - -	. Assets/net worth of City of St. Louis Park
LBA - - - - -	- - - - -	. . Assets/net worth of Housing and Redevelopment Authority of St. Louis Park
LC- - - - -	- - - - -	. Bonding capabilities
LD- - - - -	- - - - -	. Costs/expenditures
LDA - - - - -	- - - - -	. . Superfund/RCRA funding
LDAA- - - - -	- - - - -	. . . Federal expenditures for Superfund
LDAB- - - - -	- - - - -	. . . State matching funds for Superfund
LDAC- - - - -	- - - - -	. . . St. Louis Park matching funds for Superfund
LDAD- - - - -	- - - - -	. . . Superfund Cooperative Agreement between Federal Government and state
LDB - - - - -	-MGE- - - - -	. . Litigation costs
LDBA- - - - -	-MGEA - - - - -	. . . Government litigation costs
LDBB- - - - -	-MGE - - - - -	. . . Attorney costs
LDBC- - - - -	-MGDF, MGEC- - - - -	. . . Costs for expert witnesses/consultants
LDC - - - - -	- - - - -	. . Special appropriations by Minnesota Legislature
LDCA- - - - -	- - - - -	. . . LAC (Minnesota Legislative Advisory Commission) request/hearing/ funding approval
LDD - - - - -	- - - - -	. . Staff investigations/lab analysis costs
LDDA- - - - -	- - - - -	. . . Minnesota Pollution Control Agency (MPCA) staff investigation/ lab analysis costs
Lddb- - - - -	- - - - -	. . . Minnesota Department of Health (MDH) staff investigation/lab analysis costs
LDDC- - - - -	- - - - -	. . . St. Louis Park investigation/lab analysis costs
LDDD- - - - -	- - - - -	. . . Environmental Protection Agency (EPA) investigation/lab analysis costs
LDE - - - - -	- - - - -	. . Remedial action costs
LDEA- - - - -	-FCA, NAAA, NLA - - - - -	. . . Estimated costs of remedial action prior to site sale
LDEB- - - - -	-NLB- - - - -	. . . Costs for construction of new wells

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
LDEC- - - -NLC-	- - - - -	. . . Costs for well abandonment/closure
LDECA - - -NLCA	- - - - -	. . . Costs for sampling of abandoned wells
LDED- - - -NLD-	- - - - -	. . . Costs for reconstruction of wells
LDEDA - - -NLDA	- - - - -	. . . Costs for grouting of wells
LDEE- - - -NLE-	- - - - -	. . . Costs for pumpout/barrier well system
LDEF- - - -NLF-	- - - - -	. . . Costs for monitoring wells
LDEG- - - -NLG-	- - - - -	. . . Costs for remedial water treatment
LDEH- - - -NLH-	- - - - -	. . . Costs for remedial soil treatment
LDEJ- - - -NLJ-	- - - - -	. . . Costs for monitoring remedial program effectiveness
LDEK- - - -NLK-	- - - - -	. . . Costs for studies of groundwater pollution/soil contamination/ development of remedial plans
LDEKA - - -EGCAA,NLKA	- - - - -	. . . Costs of USGS studies
LDEKB - - -EGCBA,NLKB	- - - - -	. . . Costs of Barr Engineering reports
LDEKC - - -EGCCA,NLKC	- - - - -	. . . Costs of Hickok reports

# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
M - - - - -	- - - - -	Public reaction/litigation re plant site
MA- - - - -	- - - - -	. Visits/inspections at site
MAA - - - - -	-HE - - - - -	. . Company inspections/investigations at site
MAAA- - - - -	-BJA,HEA- - - - -	. . . Company inspections/investigations re site housekeeping practices
MAB - - - - -	- - - - -	. . Government inspections/visits at site
MABA- - - - -	- - - - -	. . . Federal inspections/visits at site
MABB- - - - -	- - - - -	. . . Minnesota Pollution Control Agency inspections/visits at site
MABC- - - - -	- - - - -	. . . Minnesota Department of Health inspections/visits at site
MABD- - - - -	- - - - -	. . . City of St. Louis Park inspections/visits at site
MAC - - - - -	-HGC,MBF- - - - -	. . Inspections/evaluations/recommendations by insurance companies
MB- - - - -	- - - - -	. Recommendations/advice re plant site
MBA - - - - -	-HD - - - - -	. . Recommendations/advice by company personnel
MBAA- - - - -	-CAF,HDD- - - - -	. . . Company comment/opposition to street/highway construction
MBAB- - - - -	-BHMA,HDA,MBBA- - - - -	. . . Company recommendations re equipment installation/replacement
MBAC- - - - -	-BGLA,HDB,MBCA- - - - -	. . . Company recommendations re equipment maintenance/repair
MBAD- - - - -	-BJBA,HDC,MBDA- - - - -	. . . Company recommendations re housekeeping practices
MBB - - - - -	-BHM- - - - -	. . Recommendations/advice re equipment installation/replacement
MBBA- - - - -	-BHMA,HDA,MBAB- - - - -	. . . Company recommendations re equipment installation/replacement
MBC - - - - -	-BGL- - - - -	. . Recommendations/advice re equipment maintenance/repair
MBCA- - - - -	-BGLA,HDB,MBAC- - - - -	. . . Company recommendations re equipment maintenance/repair
MBD - - - - -	-BJB- - - - -	. . Recommendations/advice re housekeeping practices
MBDA- - - - -	-BJBA,HDC,MBAD- - - - -	. . . Company recommendations re housekeeping practices
MBE - - - - -	-FA - - - - -	. . Recommendations/advice re purchase/sale of site
MBEA- - - - -	-FAA- - - - -	. . . Recommendations/advice to St. Louis Park/Housing and Redevelopment Authority re purchase of site
MBF - - - - -	-HGC,MAC- - - - -	. . Inspections/evaluations/recommendations by insurance companies
MC- - - - -	- - - - -	. Complaints
MCA - - - - -	- - - - -	. . Complaints from employees/former employees
MCB - - - - -	- - - - -	. . Complaints from residents
MD- - - - -	-EF - - - - -	. . Warnings/notifications re health/environmental matters
ME- - - - -	-CAE- - - - -	. Public comment re street/highway construction

# PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
MF- - - -	-CAH- - - - -	. State of Minnesota/City of St. Louis Park agreements/approvals re street/highway construction
MG- - - -	- - - - -	. Litigation
MGA - - - -	- - - - -	. . Similar investigations/litigation
MGB - - - -	-HK- - - - -	. . Litigation by/against company
MGBA- - - -	-HKA- - - - -	. . . Government litigation against company
MGBB- - - -	-HKC- - - - -	. . . Company litigation against Housing and Redevelopment Authority
MGBC- - - -	-HKB- - - - -	. . . Company litigation re St. Louis Park taxes
MGC - - - -	- - - - -	. . Computer services used in litigation
MGD - - - -	- - - - -	. . Expert witnesses/consultants
MGDA- - - -	- - - - -	. . . Experts consulted re industrial process
MGDB- - - -	- - - - -	. . . Experts consulted re hydrology/geology
MGDC- - - -	- - - - -	. . . Experts consulted re chemistry/chemical analyses
MGDD- - - -	- - - - -	. . . Experts consulted re health effects
MGDDA - - - -	- - - - -	. . . . Epidemiologists
MGDDB - - - -	- - - - -	. . . . Toxicologists
MGDE- - - -	-NB- - - - -	. . . Experts consulted re remedial activities
MGDF- - - -	-LDBC, MGEC- - - - -	. . . Costs for expert witnesses/consultants
MGE - - - -	-LDB- - - - -	. . Litigation costs
MGEA- - - -	-LDBA - - - - -	. . . Government litigation costs
MGEB- - - -	-LDBB - - - - -	. . . Attorney costs
MGEC- - - -	-LDBC, MGDF- - - - -	. . . Costs for expert witnesses/consultants



# PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
N - - - - -	- - - - -	Remedial actions/cleanup
NA- - - - -	- - - - -	. Plans for/assessment of remedial actions
NAA - - - - -	-FC - - - - -	. . Plans for/assessment of remedial action prior to site sale
NAAA- - - - -	-FCA, LDEA, NLA - - - - -	. . . Estimated costs of remedial action prior to site sale
NAB - - - - -	- - - - -	. . Public participation in plans for remedial action
NAC - - - - -	- - - - -	. . Grouting of disposal area
NB- - - - -	-MGDE - - - - -	. Experts consulted re remedial activities
NC- - - - -	- - - - -	. Abandonment of wells
NCA - - - - -	- - - - -	. . Sampling of abandoned wells
ND- - - - -	- - - - -	. Remedial action through construction of new wells
NE- - - - -	- - - - -	. Remedial action through reconstruction of wells
NEA - - - - -	- - - - -	. . Grouting of wells
NF- - - - -	- - - - -	. Remedial action by use/nonuse of wells
NG- - - - -	- - - - -	. Water treatment remedial actions
NGA - - - - -	- - - - -	. . Treatment of pumpout water
NGB - - - - -	- - - - -	. . Discharge of pumpout water
NGBA- - - - -	- - - - -	. . . Discharge of pumpout water directly to surface water/ Minnehaha Creek/Mississippi River
NGBB- - - - -	- - - - -	. . . Discharge of pumpout water to sewers
NGBC- - - - -	- - - - -	. . . Discharge of pumpout water to water distribution system as drinking water
NGC - - - - -	- - - - -	. . Reinjection of pumpout water into groundwater
NGD - - - - -	- - - - -	. . Techniques for remedial water treatment
NGDA- - - - -	- - - - -	. . . Carbon treatment of water
NH- - - - -	-EDD- - - - -	. Control of contaminant migration
NHA - - - - -	-EDDA - - - - -	. . Barrier/pumpout well system
NHB - - - - -	-EDDB - - - - -	. . Control by pumping existing municipal/industrial wells
NJ- - - - -	-DCFEJ- - - - -	. Monitoring wells
NJA - - - - -	-DCFEFA, DCFEJA- - - - -	. . Onsite monitoring wells
NJB - - - - -	-DCFEHA, DCFEJB- - - - -	. . Offsite monitoring wells
NJBA- - - - -	-DCFEHAA, DCFEJBA- - - - -	. . . St. Louis Park offsite monitoring wells
NJBB- - - - -	-DCFEHAB, DCFEJBB- - - - -	. . . Monitoring wells of communities other than St. Louis Park

PROJECT TWINS TAXONOMY

<u>Code at This Location</u>	<u>Codes at other Locations</u>	<u>TERMS</u>
NK-	- - - - -	. Soil treatment remedial action
NKA	- - - - -	. . Isolation/containment of contaminated soil
NKB	- - - - -	. . Soil treatment through landfarming
NKC	- - - - -	. . Inplace soil treatment through biological degradation
NKD	- - - - -	. . Soil treatment through removal/landfilling
NL-	- - - - -	. Remedial action costs
NLA	- - - -FCA,LDEA,NAAA-	. . Estimated costs of remedial action prior to sale of site
NLB	- - - -LDEB - - - - -	. . Costs for construction of new wells
NLC	- - - -LDEC - - - - -	. . Costs for well abandonment/closure
NLCA	- - - -LDECA-	. . . Costs for sampling of abandoned wells
NLD	- - - -LDED - - - - -	. . Costs for reconstruction of wells
NLDA	- - - -LDEDA-	. . . Costs for grouting of wells
NLE	- - - -LDEE - - - - -	. . Costs for pumpout/barrier well system
NLF	- - - -LDEF - - - - -	. . Costs for monitoring wells
NLG	- - - -LDEG - - - - -	. . Costs for remedial water treatment
NLH	- - - -LDEH - - - - -	. . Costs for remedial soil treatment
NLJ	- - - -LDEJ - - - - -	. . Costs for monitoring remedial program effectiveness
NLK	- - - -LDEK - - - - -	. . Costs for studies of groundwater pollution/soil contamination/ development of remedial plans
NLKA-	- - - -EGCAA,LDEKA-	. . . Costs of USGS studies
NLKB-	- - - -EGCBA,LDEKB-	. . . Costs of Barr Engineering reports
NLKC-	- - - -EGCCA,LDEKC-	. . . Costs of Hickok reports